

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SG2005/000087

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: A61L 27/44, A61L 27/58

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: A61L 27/14, A61L 27/44, A61L 27/58

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

ESPACE; Keywords: scaffold, porous, porosity

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 216 717 A1 (ETHICON INC.) 26 June 2002 See, for example, paragraphs 0017, 0027, 0041, 0042 and 0053	1, 3, 4, 8, 9
X	WO 1999/011297 A2 (UNIVERSITY OF NOTTINGHAM) 11 March 1999 Page 14 line 25 - page 15 line 10	1, 9
X	WO 2002/030481 A1 (MASSACHUSETTS INSTITUTE OF TECHNOLOGY) 18 April 2002 Page 3 line 10 - page 4 line 8	1, 9
X	WO 2002/051463 A2 (ETHICON INC.) 4 July 2002 Page 7 line 25 to page 8 line 9, page 9 lines 26 - 31	1, 3, 4, 8, 9

 Further documents are listed in the continuation of Box C See patent family annex

* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search  
28 April 2005Date of mailing of the international search report  
05 MAY 2005Name and mailing address of the ISA/AU  
AUSTRALIAN PATENT OFFICE  
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2002/060508 A1 (ISOTIS N.V.) 8 August 2002 Page 3 lines 4-12 and page 7 lines 12-25	2, 10, 12, 13, 18, 29-31
X	US 2002/0138154 A1 (LI <i>et al.</i> ) 26 September 2002 Paragraph 0005	1, 9
X	US 2002/0183858 A1 (CONTILIANO <i>et al.</i> ) 5 December 2002 Paragraphs 0011 and 0034	1, 9
X	US 2003/0114936 Paragraphs 0070, 0073, 0077, 0102, 0103, 0106.- 0108 0012, 0115 and Examples	1-18, 21-31
X	Derwent Abstract 2003-607789/57 Classes A96 B07 D22 WO 2003/048241 (NICEM LTD) 12 June 2003 See whole abstract	2

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**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. A scaffold fabricated from two polymers having different rates of biodegradability — as defined in claim 1.
2. A scaffold fabricated from two polymers wherein the first polymer is leached by a solvent and the other polymer is either not leached by the solvent or has a lower dissolution rate in the polymer than the first polymer — as defined in claim 2.
3. A scaffold with a graded porosity having greater porosity at the surface than the centre — as defined in claim 3.

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

  

4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
EP	1216717	AU	97396/01	AU	97397/01	CA	2365376
		CA	2365543	EP	1216718	JP	2002272833
		JP	2002320631	US	6599323	US	6852330
		US	2002119177	US	2002120348	US	2002127265
		US	2003147935	US	2003193104		
WO	9911297	AU	87382/98	CA	2300949	EP	1005379
		US	2004054372				
WO	0230481	US	6699470				
WO	02051463	CA	2435235	EP	1395303	US	2002119179
		US	2002131989				
WO	02060508						
US	2002138154	CA	2441114	EP	1381403	WO	02076523
US	2002183858	AU	40662/02	CA	2387300	EP	1264607
		JP	2003024340				
US	2003114936	AU	64271/99	AU	2003256850	CA	2345982
		EP	1121072	US	6454811	WO	0021470
		WO	2004010907				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							